MA29A(84)-1

CURRENT INDUSTRIAL REPORTS

Asphalt and Tar Roofing and Siding Products

1984

MA29A(84)-1
Issued July 1985

NEWARK PUBLIC LIBRARY
AUG 5 1985
U. S. GOVT. PUBS.
DEPOSITORY 376

U.S. Department of Commerce
BUREAU OF THE CENSUS

SUMMARY OF FINDINGS

The quantity of all asphalt and tar roofing and siding products shipped in 1984 amounted to 11.5 million short tons. Asphalt roofing represented 92.8 percent of the 1984 total and saturated building felts represented 7.2 percent.

Asphalt roofing shipments for 1984 were 11 percent higher than the 9.6 million short tons for 1983. Felts were 4 percent higher than the 800.3 short tons for 1983.

Fiberglass-based products accounted for an increasing portion of the shipments of asphalt and tar roofing and siding products. In 1984, fiberglass-based products accounted for 74 percent of the total compared to 61 percent for 1983.

A description of the survey methodology and other related information appears on page 4.

Table 1. QUANTITY OF SHIPMENTS OF ASPHALT AND TAR ROOFING PRODUCTS: 1974 TO 1984

Year	Asphalt roofing (thousands of sales squares)	Felts (building) (thousands of short tons)
1984	131,276.6	[1]831.4
1983	119,581.9	[1]800.3
1982	97,424.8	[1] [r]735.2
1981	96,404.5	564.5
1980	101,367.6	661.2
1979	125,822.3	956.8
1978	121,651.9	890.0
1977[2]	93,496.9	911.3
1976[2]	93,758.7	858.2
1975[2]	90,827.7	741.3
1974[2]	94,851.9	943.4

Note: Data for selected products for 1982 have been revised based on a reconciliation of reports in the MA29A series with the 1982 Census of Manufactures Reports. See "Description of Survey" for an explanation of these revisions.

[r] Revised by 5 percent or more from previously published figures.

[1] Figures on building felts for 1983 and 1982 are not directly comparable to those for earlier years as a result of improvements in survey coverage and reporting. See note.

[2] Figures for 1977 and earlier years exclude fiberglass base products, and are not directly comparable with those for later years.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Pearl Levenson, (301) 763-7807.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

C3.158:

READEX FICHE

Table 2. QUANTITY AND VALUE OF SHIPMENTS OF ASPHALT AND TAR ROOFING AND SIDING PRODUCTS: 1984 AND 1983

(Value in millions of dollars; quantity in thousands of sales squares and thousands of short tons)

Product code	Product description	1984			1983		
			Quantity of shipments			Quantity of shipments	
		Value of shipments	Sales squares	Short tons	Value of shipments[1]	Sales squares	Short tons
	Total	2,136.1	229,851.6	11,491.5	(NA)	[2]214,970.9	[2]10,387.2
	Asphalt roofing	1,862.0	131,276.6	10,660.1	(NA)	119,581.9	9,586.9
	Roll roofing and cap sheet	309.7	49,152.9	1,085.5	(NA)	45,357.7	1,114.8
29523 21	Smooth-surfaced roll roofing, organic base	43.7	7,208.4	196.2	(NA)	7,537.3	174.8
29523 22	Smooth-surfaced roll roofing, fiberglass base	110.1	24,751.0	184.0	(NA)	20,558.3	156.3
29523 25	Mineral-surfaced roll roofing, except cap sheet, organic base	([3])	([3])	([3])	(NA)	([3])	([3])
29523 26	Mineral-surfaced roll roofing, except cap sheet, fiberglass base	31.0	[3]3,523.8	[3]136.7	(NA)	([4])	([4])
29523 27	Mineral-surfaced cap sheet, organic base	[3]98.2	[3]10,485.8	[3]446.0	(NA)	[3]11,451.9	[3]562.4
29523 29	Mineral-surfaced cap sheet, fiberglass base	26.7	3,183.9	122.6	(NA)	[4]5,810.2	[4]221.3
	Strip shingles	1,316.7	74,965.3	8,648.2	(NA)	72,514.4	8,268.1
	Self-sealing and standard or regular shingles, organic base	283.4	14,448.1	1,780.6	(NA)		
29523 31	240 pounds or less	272.7	13,912.5	1,701.2	(NA)		
29523 33	241 pounds or more	10.7	535.6	79.4	(NA)	[5]72,514.4	[5]8,268.1
	Self-sealing and standard or regular shingles, fiberglass base	1,033.3	60,517.2	6,867.6	(NA)		
29523 35	235 pounds or less	973.6	58,346.1	6,581.0	(NA)		
29523 37	236 pounds or more	59.7	2,171.1	286.6	(NA)		
29523 39	Individual shingles, organic and fiberglass base	40.0	1,683.3	138.8	(NA)	1,709.8	204.0
29523 40	Laminated/multilayered shingles, organic and inorganic base	195.6	5,475.1	787.6	(NA)	(NA)	(NA)
	Asphalt sidings (building)	-	-	-	(NA)	(D)	(D)
	Roll form and shingle form, all patterns, and insulated siding (all types and finishes of mineral-surfaced asphalt insulating board base siding)	-	-	-	(NA)	(D)	(D)
29523 43	All types, organic and fiberglass base	-	-	-	(NA)	(D)	(D)
	Felts (building)	274.1	98,575.0	831.4	(NA)	[5]95,389.0	[5]800.3
29523 51	Ply felts, organic base	50.0	16,661.3	165.0	(NA)		
29523 55	Ply felts, fiberglass base	80.3	21,071.5	156.7	(NA)	[5]95,389.0	[5]800.3
29523 59	Other saturated asphalt and tar felts	143.8	60,842.2	509.7	(NA)		

Note: Data for selected products for 1982 have been revised based on a reconciliation of reports in the MA29A series with the 1982 Census of Manufactures reports. See "Description of Survey" for an explanation of these revisions.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. (NA) Not available.

[1] Value of shipments is collected for the first time in 1984. Value figures are not available for 1983 and earlier years.
[2] Asphalt sidings (building) are excluded from the totals to avoid disclosing figures for individual companies.
[3] Code 29523 25 is combined with 29523 27.
[4] Code 29523 26 is combined with 29523 29.
[5] Data for 1983 are not comparable with 1984 figures due to a change in product classifications. Detail data for 1983 remain as published in the 1983 report.

Table 3. QUANTITY AND VALUE OF SHIPMENTS OF ASPHALT AND TAR ROOFING AND SIDING PRODUCTS, BY GEOGRAPHIC AREAS: 1984 AND 1983

(Value in thousands of dollars; quantity in thousands of sales squares)

Geographic area	Total		Asphalt roofing products									
			Roll roofing and cap sheet				Strip shingles		Individual shingles		Felts (building) (sales squares)	
			Smooth surfaced		Mineral-surfaced							
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
1984												
United States	224,376.5	1,940.5	31,959.4	153.8	17,193.5	155.9	74,965.3	1,316.7	1,683.3	40.0	98,575.0	274.1
Northeast[1]	15,390.4	160.6	4,736.1	20.7	(D)	(D)	6,927.5	115.0	(D)	(D)	2,060.8	6.3
North Central	49,258.4	536.1	5,269.4	35.3	3,601.6	36.0	20,240.9	382.4	1,037.0	24.4	19,109.5	58.0
East North Central[2]	28,251.0	336.2	4,170.4	29.1	2,447.7	25.2	13,197.9	247.1	265.0	5.9	8,170.0	28.9
West North Central[3]	21,007.4	199.9	1,099.0	6.2	1,153.9	10.8	7,043.0	135.3	772.0	18.5	10,939.5	29.1
South	112,733.2	889.4	10,468.4	45.9	5,815.5	52.3	35,625.4	623.7	177.9	3.9	60,646.0	163.6
South Atlantic[4]	38,376.4	362.1	4,509.5	19.5	2,547.7	24.0	15,386.0	268.2	116.6	2.2	15,816.6	48.2
East South Central[5]	32,942.6	226.1	1,950.9	9.7	(D)	(D)	9,274.4	152.3	(D)	(D)	20,044.1	48.9
West South Central[6]	41,414.2	301.2	4,008.0	16.7	(D)	(D)	10,965.0	203.2	(D)	(D)	24,785.3	66.5
West[7]	46,994.5	354.4	11,485.5	51.9	(D)	(D)	12,171.5	195.6	(D)	(D)	16,758.7	46.2
1983												
United States	214,970.9	(NA)	28,095.6	(NA)	17,262.1	(NA)	72,514.4	(NA)	1,709.8	(NA)	95,389.0	(NA)
Northeast[1]	16,411.8	(NA)	3,986.6	(NA)	(D)	(NA)	6,424.9	(NA)	(D)	(NA)	3,782.6	(NA)
North Central	46,104.4	(NA)	4,728.8	(NA)	3,848.2	(NA)	17,553.7	(NA)	604.6	(NA)	19,369.1	(NA)
East North Central[2]	28,399.0	(NA)	3,789.9	(NA)	2,632.7	(NA)	10,797.4	(NA)	201.3	(NA)	10,977.7	(NA)
West North Central[3]	17,705.4	(NA)	938.9	(NA)	1,215.5	(NA)	6,756.3	(NA)	403.3	(NA)	8,391.4	(NA)
South	108,830.8	(NA)	8,851.6	(NA)	5,046.9	(NA)	38,878.9	(NA)	647.4	(NA)	55,406.0	(NA)
South Atlantic[4]	34,535.7	(NA)	4,060.2	(NA)	2,147.2	(NA)	14,414.4	(NA)	75.1	(NA)	13,838.8	(NA)
East South Central[5]	31,358.3	(NA)	1,630.7	(NA)	1,348.5	(NA)	8,292.1	(NA)	324.3	(NA)	19,562.7	(NA)
West South Central[6]	42,936.8	(NA)	3,160.7	(NA)	1,551.2	(NA)	16,172.4	(NA)	48.0	(NA)	22,004.5	(NA)
West[7]	43,623.9	(NA)	10,528.6	(NA)	(D)	(NA)	9,656.9	(NA)	(D)	(NA)	16,831.3	(NA)

Note: Data include fiberglass-base products. Detail may not add to totals due to independent rounding.

(D) Data withheld to avoid disclosing figures for individual companies. (NA) Not available.

[1] Includes Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, and Pennsylvania.
[2] Includes Ohio, Indiana, Illinois, Michigan, and Wisconsin.
[3] Includes Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, and Kansas.
[4] Includes Delaware, Maryland, District of Columbia, Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida.
[5] Includes Kentucky, Tennessee, Alabama, and Mississippi.
[6] Includes Arkansas, Louisiana, Oklahoma, and Texas.
[7] Includes Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada, Washington, Oregon, California, Alaska, and Hawaii.

DESCRIPTION OF SURVEY

Scope of Survey. This survey covers manufacturers of selected asphalt and tar roofing and siding products, except very small firms (generally less than five employees) for which 1982 Census of Manufactures data were derived from administrative records of other government agencies.

Survey Methodology. The statistics in this publication were collected by mail on Bureau of the Census annual Form MA29A, Asphalt and Tar Roofing and Siding Products. The survey panel includes all known producers, except the very small firms excluded from the scope of the survey. Approximately 110 establishments are included. No estimate is derived for the small firms excluded from the survey.

Reliability of Data. Survey error may result from several sources: (1) inability to obtain information about all cases in the survey; (2) response errors; (3) definitional difficulties; (4) differences in the interpretation of questions; (5) mistakes in recording or coding the data obtained; and (6) other errors of collection, response, coverage, and estimation for missing data. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is due to imputing data for nonrespondents, for late reporters and for data which fail logic edits. Missing figures are imputed based on yearly movements shown by reporting firms. Imputation generally is limited to a maximum of 5 percent for any one data cell. Figures with imputation rates greater than 5 percent are footnoted.

The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual yearly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is not precisely known, but is assumed to be small. The degree of uncertainty regarding the accuracy of the published data, however, increases as the percentage of imputation increases. Figures with imputation rates above 15 percent should be used with caution.

Revision to Previous Data. Statistics for previous years may be revised as the result of corrected data from respondents, late reports for which imputations were made as described above, or other corrections. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

EXPLANATION OF TERMS

Quantity and Value of Shipments. The figures on quantity and value of shipments represent physical shipments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale. Value of shipments, published in this report for the first time, represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and returns. Shipments to a company's own branches are assigned the same value as comparable sales to unaffiliated customers; i.e., the value includes an appropriate allocation of company overhead and profit. Products bought and resold without further manufacture are excluded.

Sales Square. Quantity of material sufficient to cover 100 square feet of surface area.

HISTORICAL NOTE

Data on asphalt and tar roofing and siding products have been collected by the Bureau of the Census since 1928. Historical data may be obtained from Current Industrial Reports (called Facts for Industry before 1959) available at your local Federal Depository Library. A list of these libraries may be obtained from the Bureau of the Census regional offices:

Office	Telephone
Atlanta, Georgia	(404) 881-2271
Boston, Massachusetts	(617) 223-2327
Charlotte, North Carolina	(704) 371-6142
Chicago, Illinois	(312) 353-6251
Dallas, Texas	(214) 767-0621
Denver, Colorado	(303) 234-3924
Detroit, Michigan	(313) 226-7742
Kansas City, Kansas	(816) 374-4601
Los Angeles, California	(213) 209-6616
New York, New York	(212) 264-3860
Philadelphia, Pennsylvania	(215) 597-4920
Seattle, Washington	(206) 442-7828

RELATED REPORTS

The Bureau of the Census also publishes the following related reports:

Series	Frequency	Title
Current Industrial Reports		
M32D	Monthly	*Clay Construction Products*
MA24F	Annually	*Hardwood Plywood*
MA24H	Annually	*Softwood Plywood*
MA24T	Annually	*Lumber Production and Mill Stocks*
MA26A	Annually	*Pulp, Paper, and Board*
Other Industrial Reports		
M3-1	Monthly	*Manufacturers' Shipments, Inventories, and Orders*

Series	Frequency	Title
(AS)	Annually	Annual Survey of Manufactures (ASM)
(MC)	Quinquennially	Census of Manufactures
Foreign Trade Reports		
FT410	Monthly	*U.S. Exports—Schedule E—Commodity by Country*
FT135	Monthly	*U.S. General Imports—Schedule A—Commodity by Country*

CONTACTS FOR DATA USERS

Subject Area	Contact	Phone Number
Current Industrial Report MA29A	Pearl Levenson	(301) 763-7807
Foreign Trade publications	Joyce Ware	(301) 763-5140
Census/ASM	Allen Foreman	(301) 763-5531
To order a Census Bureau publication	Customer Services (DUSD)	(301) 763-4100
International Trade Administration	Charles Pitcher	(202) 377-0132

ACKNOWLEDGMENTS

This report was prepared in the Industry Division, Bureau of the Census, under the direction of Carole A. Ambler, Chief, Current Nondurables Branch, and Robert Marske, Chief, Chemical and Petroleum Products Section. Pearl Levenson was directly responsible for the review of the data and preparation of the report. Gaylord Worden, Chief of the Division, and Thomas Mesenbourg, Assistant Chief for Current Industrial Reports, provided overall direction and coordination to this project.

National Data Book and Guide to Sources
STATISTICAL ABSTRACT OF THE UNITED STATES 1985
105th Edition
U.S. Department of Commerce
BUREAU OF THE CENSUS

A Portrait of America

The Abstract is an economical treasure trove presenting thousands of data items from hundreds of sources to profile the United States. Summary data on over 30 topics—covering the social, economic, and political organization of the U.S.—make the Abstract the premier reference volume. If you are a researcher, an economist, a librarian, a student, or a curious seeker of information, the Abstract is a valuable resource.

This 105th edition features:

- Over 1,600 tables and graphic charts based on data from over 220 government and private agencies.
- 112 entirely new tables, including the latest results of the 1982 Economic Censuses.
- A new appendix featuring selected State rankings for 50 data items presented in various tables.
- A complete listing of all metropolitan statistical areas (MSA's).
- Recent Trends—highlighting key measures of annual change in graphic and tabular form.
- A Guide to Sources—listing over 1,000 statistical publications, by subject areas, for further reference.

NOW AVAILABLE

1,018 pp.
$19 (paper)
$23 (cloth)

ORDER FORM Send order form to Superintendent of Documents, U. S. Government Printing Office, Washington, D.C. 20402.

Please send me the **Statistical Abstract of the United States, 1985**
___ copy(ies) (paper) **$19** S/N 003-024-06135-0
___ copy(ies) (cloth) **$23** S/N 003-024-06136-8

★6072

Enclosed is $_____ ☐ check, ☐ money order, or charge to my Deposit Account No.

☐☐☐☐☐☐☐–☐

Make check or money order payable to **SUPERINTENDENT OF DOCUMENTS**

Credit Card Orders Only
Total charges $_____ Fill in the boxes below.
Credit Card No. ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐
CHECK ONE ☐ **VISA** ☐ **MASTERCARD**
Expiration Date Month/Year ☐☐☐☐

SHIP TO:

PLEASE PRINT OR TYPE

Company or personal name
Additional address/attention line
Street address
City State ZIP code
(or Country)

For Office Use only

Quantity	Charges
_____ Enclosed	_____
_____ To be mailed	_____
_____ Subscriptions	_____
Postage	_____
Foreign handling	_____
MMOB	_____
OPNR	_____
_____ UPNS	
_____ Discount	
_____ Refund	

Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

Official Business
Penalty for Private Use, $300

FIRST-CLASS MAIL
POSTAGE & FEES PAID
CENSUS
PERMIT No. G–58